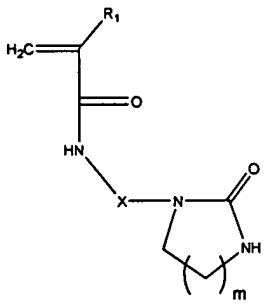
TITLE

MULTILAYER IMAGEABLE ELEMENTS

ABSTRACT

Multilayer, positive working, thermally imageable elements are disclosed. The elements produce bakeable lithographic printing plates that are resistant to press chemistries. The elements have a substrate, an underlayer, and a top layer. The underlayer comprises a resin or resins having activated methylol and/or activated alkylated methylol groups, such as a resole resin, and a polymeric material that comprises, in polymerized form, (a) methacrylic acid; (b) N-phenylmaleimide, N- cyclohexylmaleimide, N-benzylmaleimide, or a mixture thereof; and (c) one or more monomers of the structure:



in which:

R_1 is H or methyl; X is $-(CH_2)_n-$, where n is an integer from 2 to 12; $-(CH_2-CH_2-O)_p-CH_2-CH_2-$, where p is an integer from 1 to 3; or -Si(R')(R")- where R' and R" are each independently methyl or ethyl; and m is 1, 2, or 3.